

b) subjecting said initial library to a plurality of restriction enzymes individually, which plurality of enzymes do not include those to which said vector is sensitive, to produce a group of monodigested libraries;

c) screening said group of monodigested libraries for said known characteristic to detect the presence of intact target fragments, to thereby determine those restriction enzymes to which said target fragment is insensitive;

d) subjecting said initial library to substantially all of said plurality of restriction enzymes to which said target fragment is insensitive, to produce a multidigested library having an intact clone of the target nucleic acid fragment; and

e) isolating an intact clone from the multidigested library.

~~11. The method of Claim 9 including the further steps of cleaving, purifying and sequencing said fragment.~~

16. (Twice amended) A process for isolating an intact clone of one target nucleic acid fragment having a known characteristic, from a group of fragments, said ~~method-process~~ being useful to isolate an intact nucleic acid fragment and diagnose genetic disease, comprising:

a) preparing an initial library of clones from said number of fragments using a vector containing no more than a pre-determined number of known restriction sites;

b) verifying the presence of said target fragment in said initial library by transfecting in a cellular host and screening said transfected host for the presence of said target fragment;

c) subjecting said initial library to a plurality of restriction enzymes individually, which plurality of enzymes do not include those to which said vector is sensitive, to produce a group of monodigested libraries;

d) independently transfecting said monodigested libraries;

e) screening said group of monodigested libraries for said known characteristic to detect the presence of intact target fragments, to thereby determine those restriction enzymes to which said target fragment is insensitive;

f) subjecting said initial library to substantially all of said plurality of restriction enzymes to which said target fragment is insensitive, to produce a multidigested library having an intact clone of the target nucleic acid fragment; and

g) transforming said multidigested library.

~~21. The isolated intact clone of the target nucleic acid fragment of Claim 1.~~

~~22. A process of identifying or characterizing the clone of Claim 21, said process comprising cleaving, purifying, and sequencing the clone.~~